

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|--------------------|------------------|---------|------------------|
| L1 | 130887 | data\$4 near4 field\$4 | US-PGPUB; USPAT | OR | OFF | 2006/12/30 14:36 |
| L2 | 3128 | (data\$4 near4 field\$4) with fill\$4 | US-PGPUB; USPAT | OR | OFF | 2006/12/30 14:36 |
| L3 | 5 | (data\$4 near4 field\$4) with fill\$4 same lattic\$4 | US-PGPUB; USPAT | OR | OFF | 2006/12/30 14:37 |
| L4 | 66 | field\$4 with fill\$4 same lattic\$4 | US-PGPUB; USPAT | OR | OFF | 2006/12/30 14:37 |
| L5 | 2 | field\$4 with fill\$4 same lattic\$4 and (speech voic\$4) | US-PGPUB; USPAT | OR | OFF | 2006/12/30 14:40 |
| L6 | 1 | field\$4 with fill\$4 same lattic\$4 and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/12/30 14:39 |
| L7 | 193 | field\$4 with lattic\$4 and (speech voic\$4) | US-PGPUB; USPAT | OR | OFF | 2006/12/30 14:40 |
| L8 | 19 | field\$4 with lattices and (speech voic\$4) | US-PGPUB; USPAT | OR | OFF | 2006/12/30 14:42 |
| L9 | 3 | field\$4 with lattices and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/12/30 14:43 |
| L10 | 552 | field\$4 and lattices.clm. | US-PGPUB; USPAT | OR | OFF | 2006/12/30 14:43 |
| L11 | 13 | field\$4 with lattices.clm. | US-PGPUB; USPAT | OR | OFF | 2006/12/30 14:43 |
| S1 | 1117 | lattic\$4 and speech\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 14:59 |
| S2 | 17 | concatenat\$5 same lattic\$4 and speech\$4 and model\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:00 |
| S3 | 13 | concatenat\$5 same lattic\$4 and speech\$4 and model\$4 same languag\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:00 |
| S4 | 7 | concatenat\$5 same lattic\$4 and speech\$4 and model\$4 same languag\$4 and scor\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:00 |
| S5 | 1 | concatenat\$5 same lattic\$4 and speech\$4 and model\$4 same languag\$4 and scor\$4 and confidenc\$4 and asr | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:00 |
| S6 | 3 | concatenat\$5 same lattic\$4 and speech\$4 and model\$4 same languag\$4 and scor\$4 and confidenc\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:01 |
| S7 | 21 | concatenat\$5 same lattic\$4 and speech\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:05 |

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| S8 | 207 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:24 |
| S9 | 39 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:06 |
| S10 | 13 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:07 |
| S11 | 1 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and pda\$2 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:07 |
| S12 | 0 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:07 |
| S13 | 9 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:07 |
| S14 | 1 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 and satellit\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:08 |
| S15 | 5 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 and (mobil\$5 or cell\$4 or wireless) | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:22 |
| S16 | 1 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 and (mobil\$5 or cell\$4 or wireless) and environment\$4 same acoustic\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:09 |
| S17 | 5 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 and (mobil\$5 or cell\$4 or wireless) and environment\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:09 |

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| S18 | 4 | ((concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4) not ((concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 and (mobil\$5 or cell\$4 or wireless)) | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:22 |
| S19 | 10 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and re\$4scor\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:56 |
| S20 | 2 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and re\$4scor\$4 and asr | US-PGPUB; USPAT | OR | OFF | 2004/08/24 15:46 |
| S21 | 10 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4 or cluster\$4) same lattic\$4 and speech\$4 and re\$4scor\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 11:39 |
| S22 | 2 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4 or cluster\$4) same lattic\$4 and speech\$4 and re\$4scor\$4 and pda\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 11:40 |
| S23 | 12 | (concatenat\$5 or combin\$7 or link\$4 or chain\$4 or cluster\$4) same lattic\$4 and speech\$4 and pda\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 11:40 |
| S24 | 0 | "5964810".pn. and utteranc\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 12:22 |
| S25 | 0 | "5964810".pn. and speech\$4 near input\$5 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 12:18 |
| S26 | 1 | "6581033".pn. and languag\$\$ near model\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 12:18 |
| S27 | 1 | "6581033".pn. and languag\$4 near model\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 12:18 |
| S28 | 1 | "5864810".pn. and utteranc\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 12:22 |
| S29 | 0 | "5864810".pn. and network\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 14:11 |
| S30 | 2 | "20020052742" | US-PGPUB; USPAT | OR | OFF | 2004/08/26 14:11 |
| S31 | 0 | "20020052742" and transduc\$5 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 14:11 |
| S32 | 2 | "20020052742" and network\$5 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 14:12 |

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| S33 | 0 | "20020052742" and transduc\$5 | US-PGPUB; USPAT | OR | OFF | 2004/08/26 14:12 |
| S34 | 2 | "20020052742" | US-PGPUB; USPAT | OR | OFF | 2004/08/27 12:03 |
| S35 | 2 | "20020052742" and controll\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/27 12:55 |
| S36 | 0 | "6304844".pn. and transduc\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/27 12:55 |
| S37 | 0 | "6304844".pn. and transduc\$7 | US-PGPUB; USPAT | OR | OFF | 2004/08/27 12:56 |
| S38 | 1 | "6304844".pn. and (transfer\$5 and transform\$4) | US-PGPUB; USPAT | OR | OFF | 2004/08/27 13:00 |
| S39 | 8 | ("6304844" or "6233544" or "6243679" or "5864810" or "6581033" or "5712957" or "5797123" or "20020052742").pn. | US-PGPUB; USPAT | OR | OFF | 2004/08/27 13:01 |
| S40 | 0 | ((("6304844" or "6233544" or "6243679" or "5864810" or "6581033" or "5712957" or "5797123" or "20020052742").pn.) and radio\$4 same frequenc\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/27 13:02 |
| S41 | 6 | ((("6304844" or "6233544" or "6243679" or "5864810" or "6581033" or "5712957" or "5797123" or "20020052742").pn.) and microphon\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/27 13:02 |
| S42 | 2 | ((("6304844" or "6233544" or "6243679" or "5864810" or "6581033" or "5712957" or "5797123" or "20020052742").pn.) and microphon\$4 and transduc\$6 | US-PGPUB; USPAT | OR | OFF | 2004/08/27 13:15 |
| S43 | 1 | "6304844".pn. and mobil\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/27 13:35 |
| S44 | 0 | "6304844".pn. and probab\$6 | US-PGPUB; USPAT | OR | OFF | 2004/08/27 13:39 |
| S45 | 1002 | radio near frequenc\$5 same identif\$8 near tag\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/27 13:53 |
| S46 | 87 | radio near frequenc\$5 same identif\$8 near tag\$4 and microphon\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/27 13:53 |
| S47 | 21 | radio near frequenc\$5 same identif\$8 near tag\$4 and microphon\$4 and model\$4 and transduc\$6 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 13:08 |

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| S48 | 19 | radio near frequenc\$5 same identif\$8 near tag\$4 and microphon\$4 and model\$4 and transduc\$6 and environment\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 13:08 |
| S49 | 9 | radio near frequenc\$5 same identif\$8 near tag\$4 and microphon\$4 and model\$4 and transduc\$6 and environment\$4 and (mobil\$4) | US-PGPUB; USPAT | OR | OFF | 2004/08/30 13:01 |
| S50 | 9 | radio near frequenc\$5 same identif\$8 near tag\$4 and microphon\$4 and model\$4 and transduc\$6 and (mobil\$4) | US-PGPUB; USPAT | OR | OFF | 2004/08/27 13:58 |
| S51 | 1 | "6304844".pn. and distort\$5 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 12:03 |
| S52 | 1 | "6304844".pn. and environment\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 12:03 |
| S53 | 1 | radio near frequenc\$5 same identif\$8 near tag\$4 and control\$6 and (mobil\$7 near devic\$4) and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2004/08/30 13:09 |
| S54 | 46 | radio near frequenc\$5 same identif\$8 near tag\$4 and control\$6 and (mobil\$7 near devic\$4) | US-PGPUB; USPAT | OR | OFF | 2004/08/30 13:16 |
| S55 | 200 | microphon\$4 and environment\$4 and transduc\$4 and train\$4 same model\$4 and respon\$5 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 13:18 |
| S56 | 82 | microphon\$4 and environment\$4 and transduc\$4 and train\$4 same model\$4 and respon\$5 and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2004/08/30 13:29 |
| S57 | 75 | microphon\$4 and environment\$4 and transduc\$4 and train\$4 same model\$4 and respon\$5 and acoustic\$4 and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2004/08/30 13:30 |
| S58 | 67 | (microphon\$4 and environment\$4 and transduc\$4 and train\$4 same model\$4 and respon\$5 and acoustic\$4 and "704"/\$.ccls.) not pertrushin | US-PGPUB; USPAT | OR | OFF | 2004/08/30 14:32 |
| S59 | 0 | between\$4 same transduc\$4 near respon\$% | US-PGPUB; USPAT | OR | OFF | 2004/08/30 14:33 |
| S60 | 1722 | between\$4 same transduc\$4 near respon\$5 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 14:33 |
| S61 | 3 | between\$4 same transduc\$4 near respon\$5 and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2004/08/30 14:37 |

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| S62 | 34 | between\$4 same microphon\$4\$4 near respon\$5 and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2004/08/30 15:01 |
| S63 | 34 | between\$4 same microphon\$4 near respon\$5 and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2004/08/30 14:38 |
| S64 | 26 | between\$4 same microphon\$4 near respon\$5 and "704"/\$.ccls. not pertrushin | US-PGPUB; USPAT | OR | OFF | 2004/08/30 14:38 |
| S65 | 26 | between\$4 same microphon\$4 near respon\$5 and "704"/\$.ccls. not pertrushin\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 14:38 |
| S66 | 26 | (between\$4 same microphon\$4 near respon\$5 and "704"/\$.ccls.) not pertrushin\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 14:42 |
| S67 | 18 | (between\$4 same microphon\$4 near plurality and "704"/\$.ccls.) not pertrushin\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 14:42 |
| S68 | 15 | ((between\$4 same microphon\$4 near plurality and "704"/\$.ccls.) not pertrushin\$4) not ((between\$4 same microphon\$4 near respon\$5 and "704"/\$.ccls.) not pertrushin\$4) | US-PGPUB; USPAT | OR | OFF | 2004/08/30 14:42 |
| S69 | 1 | "5806029".pn. and distort\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 14:54 |
| S70 | 1 | "5806029".pn. and between\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 15:10 |
| S71 | 1 | "5806029".pn. and mobil\$4 | US-PGPUB; USPAT | OR | OFF | 2004/08/30 15:10 |
| S72 | 1 | "20020052742".did. | US-PGPUB; USPAT | OR | OFF | 2005/04/01 12:30 |
| S73 | 0 | "20020052742".did. and compensat\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 12:38 |
| S74 | 1 | "20020052742".did. and adapt\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 12:39 |
| S75 | 1 | "20020052742".did. and var\$6 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 12:39 |
| S76 | 0 | "20020052742".did. and (equal\$4 or equivalent\$4) | US-PGPUB; USPAT | OR | OFF | 2005/04/01 12:39 |
| S77 | 1 | "5806029".pn. | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:12 |
| S78 | 8282 | acoustic\$4 with microphon\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:12 |
| S79 | 181 | acoustic\$4 near environment\$4 with microphon\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:17 |

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|-----|------|--|--------------------|----|-----|------------------|
| S80 | 2 | distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:27 |
| S81 | 2 | distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5 and character\$6 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:30 |
| S82 | 0 | distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5 and character\$6 same respon\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:28 |
| S83 | 0 | distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5 and character\$6 and respon\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:28 |
| S84 | 1 | distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5 and character\$6 and (mobil\$4 or hand\$4held\$4 or wireless\$4) | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:30 |
| S85 | 1 | distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5 and character\$6 and (mobil\$4 or hand\$4held\$4 or wireless\$4 or cell\$5) | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:34 |
| S86 | 4 | distort\$5 with acoustic\$4 near mismatch\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:34 |
| S87 | 2 | distort\$5 with acoustic\$4 near mismatch\$4 and train\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:34 |
| S88 | 2 | distort\$5 with acoustic\$4 near mismatch\$4 and train\$5 same model\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:40 |
| S89 | 6920 | (memor\$4 or storag\$4 or stor\$4 or databas\$4) with controll\$5 same model\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:41 |
| S90 | 439 | (memor\$4 or storag\$4 or stor\$4 or databas\$4) with controll\$5 same model\$5 and recogni\$5 near (speech\$4 or voic\$4) | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:42 |
| S91 | 12 | (memor\$4 or storag\$4 or stor\$4 or databas\$4) near coupl\$5 with controll\$5 same model\$5 and recogni\$5 near (speech\$4 or voic\$4) | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:42 |

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|----------|-------|--|--------------------|----|-----|------------------|
| S92 | 12 | (memor\$4 or storag\$4 or stor\$4 or databas\$4) near coupl\$5 with controll\$5 same model\$5 and recogni\$5 near (speech\$4 or voic\$4) and (communicat\$5 or vocal\$4 or voic\$4 or transduc\$4 or microphon\$4 or acoustic\$4) | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:43 |
| S93 | 3 | (memor\$4 or storag\$4 or stor\$4 or databas\$4) near coupl\$5 with controll\$5 same model\$5 and recogni\$5 near (speech\$4 or voic\$4) and (communicat\$5 or vocal\$4 or voic\$4 or transduc\$4 or microphon\$4 or acoustic\$4) and compensat\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 13:44 |
| S94 | 1 | "6219645".pn. | US-PGPUB; USPAT | OR | OFF | 2005/04/01 14:51 |
| S95 | 1 | "6219645".pn. | US-PGPUB; USPAT | OR | OFF | 2005/04/01 14:58 |
| S96 | 0 | "6219645".pn. and acoustic\$4 same (microphon\$4 or transduc\$5) | US-PGPUB; USPAT | OR | OFF | 2005/04/01 14:59 |
| S97 | 0 | "6219645".pn. and acoustic\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 14:59 |
| S98 | 1 | "6219645".pn. and environment\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 15:00 |
| S99 | 1 | "6219645".pn. and environmēt\$4 same (microphon\$4 or transduc\$5) | US-PGPUB; USPAT | OR | OFF | 2005/04/01 15:07 |
| S10 0 | 1 | "6219645".pn. and (nois\$5 or sound\$4 or interfer\$6) same (microphon\$4 or transduc\$5) | US-PGPUB; USPAT | OR | OFF | 2005/04/01 15:07 |
| S10 1 | 12832 | compensat\$5 same model\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 16:10 |
| S10 2 | 22 | compensat\$5 with model\$5 same ((speech\$4 or voice) near recogniz\$5) | US-PGPUB; USPAT | OR | OFF | 2005/04/01 16:11 |
| S10 3 | 2 | compensat\$5 with model\$5 same ((speech\$4 or voice) near recogniz\$5) and memor\$6 with controll\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 16:12 |
| S10 4 | 4 | compensat\$5 with model\$5 same ((speech\$4 or voice) near recogniz\$5) and memor\$6 same controll\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/01 16:12 |
| S10 5 | 1 | "6243679".pn. | US-PGPUB; USPAT | OR | OFF | 2005/04/19 17:28 |

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| S10 6 | 1 | "6581033".pn. and model\$4 same lattic\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/19 17:28 |
| S10 7 | 1 | "6169972".pn. | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:33 |
| S10 8 | 1 | "6169972".pn. and (speech\$4 or voic\$4) | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:34 |
| S10 9 | 0 | "6169972".pn. and (speech\$4 or voic\$4) and concaten\$6 same lattic\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:33 |
| S11 0 | 1 | "6169972".pn. and (speech\$4 or voic\$4) and lattic\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:37 |
| S11 1 | 0 | "6169972".pn. and (speech\$4 or voic\$4) and lattic\$5 and concaten\$7 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:34 |
| S11 2 | 1 | "6169972".pn. and (speech\$4 or voic\$4) and (combin\$7 or link\$5) same lattic\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:35 |
| S11 3 | 0 | "6169972".pn. and (speech\$4 or voic\$4) and (combin\$7 or link\$5) same lattic\$5 and model\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:35 |
| S11 4 | 0 | "6169972".pn. and (speech\$4 or voic\$4) and lattic\$5 and compensat\$6 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:37 |
| S11 5 | 0 | "6169972".pn. and (speech\$4 or voic\$4) and lattic\$5 and acoustic\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:37 |
| S11 6 | 0 | "6169972".pn. and (speech\$4 or voic\$4) and lattic\$5 and environment\$6 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:38 |
| S11 7 | 1 | "6169972".pn. and (speech\$4 or voic\$4) and lattic\$5 and (tranduc\$6 or microphon\$4) | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:38 |
| S11 8 | 1 | "6581033".pn. and lattic\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:50 |
| S11 9 | 0 | "6581033".pn. and relation\$7 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:50 |
| S12 0 | 429 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) same lattic\$5) | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:51 |
| S12 1 | 48 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) same lattic\$5) and languag\$4 near model\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 15:51 |

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| S12 2 | 8 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) same lattic\$5) and languag\$4 near model\$5 same relation\$7 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 16:01 |
| S12 3 | 18 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) same lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) | US-PGPUB; USPAT | OR | OFF | 2005/04/27 16:02 |
| S12 4 | 4 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near10 lattic\$5) and languag\$4 near model\$5 same relation\$7 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 16:01 |
| S12 5 | 2 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) | US-PGPUB; USPAT | OR | OFF | 2005/04/27 16:06 |
| S12 6 | 2 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 16:19 |
| S12 7 | 2 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5 and (HMM or Markov\$4) | US-PGPUB; USPAT | OR | OFF | 2005/04/27 16:21 |

EAST Search History

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|----------|------|---|--------------------|----|-----|------------------|
| S12 8 | 2 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5 and (HMM or Markov\$4) and network\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 16:21 |
| S12 9 | 1 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5 and (HMM or Markov\$4) and network\$4 near server\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 16:22 |
| S13 0 | 1 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5 and (HMM or Markov\$4) and network\$4 and server\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/27 16:23 |
| S13 1 | 1 | (speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5 and (HMM or Markov\$4) and network\$4 and server\$5 and controll\$5 | US-PGPUB; USPAT | OR | OFF | 2006/01/18 20:23 |
| S13 2 | 1 | "5864810".pn. and (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:04 |
| S13 3 | 1360 | acoustic\$5 near environment\$6 | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:05 |
| S13 4 | 1006 | acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:05 |

EAST Search History

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|----------|------|--|--------------------|----|-----|------------------|
| S13 5 | 75 | acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (ASR or (automatic\$5 near speech\$5 with recogni\$7)) | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:05 |
| S13 6 | 3 | acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (ASR or (automatic\$5 near speech\$5 with recogni\$7)) and rescor\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:06 |
| S13 7 | 6 | acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (ASR or (automatic\$5 near speech\$5 with recogni\$7)) and re\$4scor\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:07 |
| S13 8 | 3 | S137 not S136 | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:06 |
| S13 9 | 7 | acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and re\$4scor\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:08 |
| S14 0 | 650 | acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:08 |
| S14 1 | 417 | acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and model\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:09 |
| S14 2 | 4051 | acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and model\$5 (ASR or (automatic\$5 near speech\$5 with recogni\$7)) | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:09 |
| S14 3 | 65 | acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and model\$5 and (ASR or (automatic\$5 near speech\$5 with recogni\$7)) | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:18 |
| S14 4 | 6 | acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and model\$5 and (ASR or (automatic\$5 near speech\$5 with recogni\$7)) and re\$4scor\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:19 |

EAST Search History

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|----------|------|---|--------------------|----|-----|------------------|
| S14 5 | 21 | acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and model\$5 and (ASR or (automatic\$5 near speech\$5 with recogni\$7)) and scor\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/28 06:29 |
| S14 6 | 1 | "6411927".pn. and model\$4 | US-PGPUB; USPAT | OR | OFF | 2005/04/28 08:14 |
| S14 7 | 1 | "6411927".pn. and model\$4 with speech\$5 | US-PGPUB; USPAT | OR | OFF | 2005/04/28 08:14 |
| S14 8 | 407 | latic\$4 and (speech\$4 voic\$4) same (field\$4 entrant\$4 entries\$4) | US-PGPUB; USPAT | OR | OFF | 2006/01/17 17:32 |
| S14 9 | 14 | latic\$4 with (speech\$4 voic\$4) same (field\$4 entrant\$4 entries\$4) | US-PGPUB; USPAT | OR | OFF | 2006/01/17 17:45 |
| S15 0 | 33 | concatenat\$5 with latic\$4 | US-PGPUB; USPAT | OR | OFF | 2006/01/17 17:46 |
| S15 1 | 7864 | (concatenat\$5 combin\$7 link\$4 join\$4 link\$4 coupl\$4 hing\$4 intergrat\$5) with latic\$4 | US-PGPUB; USPAT | OR | OFF | 2006/01/17 17:48 |
| S15 2 | 60 | (concatenat\$5 combin\$7 link\$4 join\$4 link\$4 coupl\$4 hing\$4 intergrat\$5) with latic\$4 same speech\$4 | US-PGPUB; USPAT | OR | OFF | 2006/01/17 17:49 |
| S15 3 | 22 | (concatenat\$5 combin\$7 link\$4 join\$4 link\$4 coupl\$4 hing\$4 intergrat\$5) near3 latic\$4 same speech\$4 | US-PGPUB; USPAT | OR | OFF | 2006/01/17 17:50 |
| S15 4 | 1 | "6581033".pn. | US-PGPUB; USPAT | OR | OFF | 2006/01/18 20:23 |
| S15 5 | 1 | "6581033".pn. and input\$5 | US-PGPUB; USPAT | OR | OFF | 2006/01/18 20:26 |
| S15 6 | 4 | re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7)) | US-PGPUB; USPAT | OR | OFF | 2006/04/03 19:47 |
| S15 7 | 2 | re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7)) and latic\$4 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 19:47 |
| S15 8 | 0 | re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7)) and contatenat\$5 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 19:48 |
| S15 9 | 0 | re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7)) and contetenat\$5 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 19:48 |
| S16 0 | 2 | re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7)) and concatenat\$5 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:04 |

EAST Search History

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|----------|--------|---|--------------------|----|-----|------------------|
| S16 1 | 2 | re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7)) and lattic\$4 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 19:49 |
| S16 2 | 34 | concatenat\$6 with lattic\$4 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:05 |
| S16 3 | 276879 | concatenat\$6 with lattic\$4 same (languag\$4 near4 model4)] | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:05 |
| S16 4 | 1 | concatenat\$6 with lattic\$4 same (languag\$4 near4 model\$4) | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:05 |
| S16 5 | 7294 | (concatenat\$6 link\$4 combin\$7 couple\$4 join\$4) with lattic\$4 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:13 |
| S16 6 | 13 | ((concatenat\$6 link\$4 combin\$7 couple\$4 join\$4) with lattic\$4) same (languag\$4 near4 model\$4) | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:13 |
| S16 7 | 13 | ((concatenat\$6 link\$4 combin\$7 couple\$4 join\$4) with lattic\$4) same (languag\$4 near4 model\$4) and field\$4 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:35 |
| S16 8 | 1 | ((concatenat\$6 link\$4 combin\$7 couple\$4 join\$4) with lattic\$4) same (languag\$4 near4 model\$4) and (data\$4 information\$4) near4 field\$4 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:14 |
| S16 9 | 1 | "6581033".pn. and field\$4 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:37 |
| S17 0 | 130763 | (data information) near3 field\$4 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:38 |
| S17 1 | 93 | (data information) near3 field\$4 same lattic\$4 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:38 |
| S17 2 | 2 | (data information) near3 field\$4 same lattic\$4 and languag\$4 near3 model\$6 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 20:39 |
| S17 3 | 0 | ("6581033" "5712957" "6411927" "5797485" "6304844").pn. and ("20020052742" "20020055844").did. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 08:34 |
| S17 4 | 7 | ("6581033" "5712957" "6411927" "5797485" "6304844").pn. or ("20020052742" "20020055844").did. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 08:35 |
| S17 5 | 2 | ("6581033" "5712957").did. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 08:35 |
| S17 6 | 3 | ("6581033").pn" or "20020052742.did" | US-PGPUB; USPAT | OR | OFF | 2006/07/19 08:35 |
| S17 7 | 1 | ("6581033").pn. or "20020052742.did" | US-PGPUB; USPAT | OR | OFF | 2006/07/19 08:36 |

EAST Search History

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|------|------|---|-----------------|----|-----|------------------|
| S178 | 2 | ("6581033").pn. or "20020052742".did. | US-PGPUB; USPAT | OR | OFF | 2006/07/19 08:36 |
| S179 | 47 | lattice\$6 with ((information\$4 data) near\$3 field\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:45 |
| S180 | 1 | lattice\$6 with ((information\$4 data) near\$3 field\$4) and "704"/.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:46 |
| S181 | 1 | lattice\$6 same ((information\$4 data) near\$3 field\$4) and "704"/.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:46 |
| S182 | 96 | lattice\$6 same ((information\$4 data) near\$3 field\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:46 |
| S183 | 49 | S182 not S179 | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:47 |
| S184 | 260 | lattice\$4 and (language\$4 near model\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:48 |
| S185 | 59 | lattice\$4 with (language\$4 near model\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:48 |
| S186 | 4 | lattice\$4 with (language\$4 near model\$4) same concatenat\$6 | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:51 |
| S187 | 1 | lattice\$4 with concatenat\$6 same (language\$4 near model\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:54 |
| S188 | 39 | lattice\$4 with concatenat\$6 | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:56 |
| S189 | 15 | lattice\$4 with (language\$4 near model\$4) same (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:52 |
| S190 | 14 | lattice\$4 with (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6) same (language\$4 near model\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:54 |
| S191 | 1452 | lattice\$4 near (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 11:56 |
| S192 | 2 | lattice\$4 near (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6) same (language\$4 near model\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 12:00 |
| S193 | 1452 | lattice\$4 near (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 12:00 |
| S194 | 19 | lattice\$4 near (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6) and (language\$4 near model\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 12:03 |

EAST Search History

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|----------|---------|--|--------------------|----|-----|------------------|
| S19 5 | 33 | latic\$4 same ((data\$4 information\$4) near field\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 12:09 |
| S19 6 | 36 | (languag\$4 near model\$5) same ((data\$4 information\$4) near field\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 12:36 |
| S19 7 | 1 | "6581033".pn. and interfac\$4 | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:17 |
| S19 8 | 2984621 | "6581033".pn. and user\$4 neart select\$6 | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:18 |
| S19 9 | 1 | "6581033".pn. and (user\$4 near select\$6) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:19 |
| S20 0 | 1 | "6581033".pn. and (user\$4 with select\$6) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:19 |
| S20 1 | 158 | user\$4 near select\$6 near (data information) near3 field\$4 | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:33 |
| S20 2 | 217 | user\$4 near select\$6 near ((data information) near3 field\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:33 |
| S20 3 | 2 | user\$4 near select\$6 near ((data information) near3 field\$4) and (lattice or (languag\$4 near model\$4)) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:50 |
| S20 4 | 0 | "09935562" | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:38 |
| S20 5 | 4 | "6760720" | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:39 |
| S20 6 | 1 | "6760720".pn. | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:39 |
| S20 7 | 1 | "6760720".pn. and user near4 select\$5 | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:39 |
| S20 8 | 1 | "6760720".pn. and user near4 select\$5 and ((data information) near3 field\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:40 |
| S20 9 | 0 | "6760720".pn. and user near4 select\$5 and ((data information) near3 field\$4) and lattice | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:40 |
| S21 0 | 0 | "6760720".pn. and user near4 select\$5 and ((data information) near3 field\$4) and latic\$4 | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:40 |
| S21 1 | 0 | "6760720".pn. and user near4 select\$5 and ((data information) near3 field\$4) and languag\$4 near model\$4 | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:40 |
| S21 2 | 0 | "6760720".pn. and user near4 select\$5 and ((data information) near3 field\$4) and (languag\$4 near model\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:41 |

EAST Search History

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|----------|-----|--|--------------------|----|-----|------------------|
| S21 3 | 217 | user\$4 near select\$6 near ((data information) near3 field\$4) | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:51 |
| S21 4 | 4 | user\$4 near select\$6 near ((data information) near3 field\$4) and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:52 |
| S21 5 | 0 | "2983187".pn. and user\$4 near select\$6 near ((data information) near3 field\$4) and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:52 |
| S21 6 | 0 | "2983197".pn. and user\$4 near select\$6 near ((data information) near3 field\$4) and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:52 |
| S21 7 | 0 | "5983197".pn. and user\$4 near select\$6 near ((data information) near3 field\$4) and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:52 |
| S21 8 | 1 | "5983187".pn. and user\$4 near select\$6 near ((data information) near3 field\$4) and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:52 |
| S21 9 | 1 | "5983187".pn. and user\$4 near select\$6 and ((data information) near3 field\$4) and "704"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/08/20 13:52 |